

## ANNIE1-electronics-design - Task #9087

### Get quotes for modern VME single-board computers

06/10/2015 10:52 AM - Jonathan Eisch

<b>Status:</b>	Closed	<b>Start date:</b>	06/01/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	06/12/2015
<b>Assignee:</b>	Jonathan Eisch	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
Needed to control and read-out ADC cards. (Read-out may be over optical or Ethernet interfaces on each card.)			

#### History

##### #1 - 06/10/2015 11:21 AM - Jonathan Eisch

- File v7768\_ds\_gfa1043.pdf added

- File xvb602\_ds\_gfaxxx.pdf added

- File xvr16-ds-gfa2029a.pdf added

Quote from GE Intelligent Platforms ([seth.M.frain@ge.com](mailto:seth.M.frain@ge.com)):

I wanted to provide you with some ballpark pricing and options that we feel may work for you.

Below a few suggestions, along with pricing. The 7768 and XBB602 are available to ship today and do not have a minimum order quantity requirement.

The XRV16 is our newest release and comes with a bit of a lead time (12-15 weeks). I've attached a data sheet for each of the suggested boards.

Please let me know a convenient day to discuss your requirements and thoughts on these suggested boards and I will set up a call.

SBC

Description

Price

- V7768-110000
- \* Intel Core 2 Duo @ 2.16 GHz, Up to 2 GB DDR2 SDRAM, Commercial/ extended temperature
- \* 2,613.00
- XVB602-13100010
- \* Intel Core i7 up to 2.53 GHz, 8 GB DDR3 SDRAM with ECC, Extended temperature, Level 1 Std. Air Cooled
- \* 3,400.00
- XRV16
- \* 4th Gen. Intel Core i7 quad-core up to 2.4 GHz, Up to 16 GB DDR3 SDRAM, Level 1-5 Air, Conduction Cooled
- \* 5335 (Starting at)

##### #2 - 06/10/2015 11:25 AM - Jonathan Eisch

My preference would be the XVB602, as it uses convection cooling (forced air not needed) and supports up to 8GB of memory.

For comparison, the Struck VME to PCI interface (over a fiber cable) costs \$5,400.00, and still needs a computer to host the PCI card.

##### #3 - 06/18/2015 10:43 AM - Jonathan Eisch

- File vpe2xmsd\_0415.pdf added

Concurrent technologies quote:

The best option for price and availability is the Quad Core with 4GB of DRAM. The single core is actually more money.

\$2640.00ea for the 4-core 1.91Ghz (10W)with 4GB DRAM with ECC, guessing 8-10wks ARO  
If you want 1x PMC/XMC site and more front panel IO then the part number is: VP E24/412-22

If you want 2xPMC/XMC sites then the part number is: VP E24/012-22

Note: both of the boards above do have a P0 installed.

**#4 - 06/18/2015 10:43 AM - Jonathan Eisch**

- % Done changed from 50 to 100

**#5 - 06/18/2015 10:48 AM - Jonathan Eisch**

- Status changed from Assigned to Resolved

**#6 - 10/09/2015 01:11 PM - Jonathan Eisch**

- Status changed from Resolved to Closed

**Files**

v7768_ds_gfa1043.pdf	242 KB	06/10/2015	Jonathan Eisch
xvb602_ds_gfaxxxx.pdf	198 KB	06/10/2015	Jonathan Eisch
xvr16-ds-gfa2029a.pdf	261 KB	06/10/2015	Jonathan Eisch
vpe2xmsd_0415.pdf	233 KB	06/18/2015	Jonathan Eisch